EXPANDED COURSE DESCRIPTION
ELECTRICAL ENGINEERING AND COMPUTER SCIENCE
Lassonde School of Engineering
Electrical Engineering Computer Science
LE / EECS 1520 3.0 SECTION B
COMPUTER USE: FUNDAMENTALS
FALL 2019 / WINTER 2020

Last Modified Date: 08/28/2019

COURSE CALENDAR DESCRIPTION
An introduction to the use of computers focusing on concepts of computer technology and organization (hardware and software) and the use of applications such as spreadsheets and information retrieval tools for problem solving. This course is designed for students who are not engineering or computer science majors. Students who plan to major in engineering or computer science are advised to take LE/EECS 1011 3.00 or LE/EECS 1012 3.00, respectively. Course credit exclusions: LE/CSE 1520 3.00, AK/AS/SC/CSE 1520 3.00. NCR Note: This course is not open to any student who has passed or is taking LE/EECS 1020 3.00, LE/CSE 1020 3.00, AK/AS/SC/CSE 1020 3.00, LE/EECS 1021 3.00, LE/EECS 1022 3.00.

""""References to AK/COSC 1200, 1210, 2411 or ITEC 1020 were removed as the courses have not been offered for more than 7 years.

INSTRUCTOR(S)

<table>
<thead>
<tr>
<th>Name</th>
<th>Section / Format / Term</th>
<th>Contact Email</th>
<th>Contact Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chinaei, Amir H</td>
<td>Sec. B / LECT / F</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ADDITIONAL INFORMATION

COURSE WEBPAGE
moodle.yorku.ca and www.eecs.yorku.ca/course/1520

MAIN TOPICS
Theory 1. Intro and history of computing
2. Digital data representation (e.g., numbers, text, images)
3. Computer organization (e.g., gates and circuits, stored program concept)
4. System administration (e.g., operating systems, file systems)
5. Networking and the Internet

Practice 1. Spreadsheet design and creation
2. Document design and creation
3. Knowledge translation
4. (Simple) Webpage design and creation
5. Image manipulation

COURSE LEARNING OBJECTIVES
By the end of the course, the students will be able to:
1. Create a spreadsheet workbook to calculate, model, and/or visualize data
2. Demonstrate the ability to edit digital images using freely available tools
3. Describe how information is stored digitally in a computer, risks and counter measures
4. Identify computer hardware/software components and their purposes
5. Describe computer networking devices and their roles, threats and counter measures
RECOMMENDED (BUT NOT REQUIRED) COURSE TEXT
• *Computer Science Illuminated* by Nell Dale and John Lewis [Available from York Bookstore and Amazon]
• *Understanding the Digital World: What You Need to Know about Computers, the Internet, Privacy, and Security* by Brian W. Kernighan [Available from Amazon]
• *D is for Digital: What a well-informed person should know about computers and communications* by Brian W. Kernighan [Available from Amazon]

Note that "Understanding the Digital World" is the 2nd edition of "D is for Digital". There is little difference between them.

Additional readings may be assigned or recommended during the course.

EVALUATION
The final grade of the course will be based on the assessment items below, using the weights indicated. No "extra credit" assignments will be provided. In order to be fair and consistent with regards to the entire class, individual grades are not negotiable. Furthermore, marks for assignments and tests will not be "rounded" or "bell-curved".

Students re-taking this course are expected to redo all assignments from scratch. Reusing work from a previous offering of the course (even if it is your own work) or any other source is a violation of the Senate Policy on Academic Honesty.

• Assignments (best 7 out of 8 x 3%): 21%
• 2 Tests (the weight of the one you write best is 22%, the other 7%): 29%
• 5 Subject Matter Quizzes: 5%
• Final exam: 45%

Note that there are 8 assignments; however, in calculating your grades, we omit the one in which your grade is the worst. Also, note that there are 2 tests; and, to your benefit, we will weight your best test 22% and your other test 7%, collectively 29%. Moreover, if your grade on the final exam is better than any of your assessments, we will take that into consideration to some extent at our own discretion.

Missed assignments or partial tests: If you miss any assessment (an assignment or a test), you should upload in moodle a properly completed Special Consideration Form. Please note there is a deadline to upload such forms and the deadline depends on the date of the original assessment--normally within one week of that date. Check these in moodle. Upon approval, your grade in the missing assessment will be calculated based on your grade on the final exam.

Missed final exam: Students who miss the final exam must properly complete a Deferred Standing Agreement form and submit it together with your supporting documentation to the EECS Department office (LAS 1012M) within one week of the originally scheduled exam.

Remark requests: If you believe that an assignment was graded incorrectly, you may request a reappraisal of the work. A reappraisal request must be properly uploaded in the moodle page before the deadline (which is up to one week of receiving the original grade). It is essential that you explain clearly why you think the work should be re-marked; otherwise, the grade will remain unchanged. Note that the assignment will be re-graded in its entirety and that re-grading can result in the grade being raised, confirmed, or lowered. Also note that remark requests will be processed within four weeks after the deadline.

ACADEMIC INTEGRITY LINKS
• Senate Policy on Academic Honesty - http://secretariat-policies.info.yorku.ca/policies/academic-honesty-senate-policy-on/
• Academic Integrity - http://lassonde.yorku.ca/academic-integrity

STUDENT LINKS
• Student Rights and Responsibilities - http://oscr.students.uit.yorku.ca/student-conduct
• Religious Observance - https://w2prod.sis.yorku.ca/Apps/WebObjects/cdm.woa/wa/regobs
• Academic Accommodation for Students with Disabilities - http://secretariat-policies.info.yorku.ca/policies/academic-accommodation-for-students-with-disabilities-policy/
• Student Accessibility Services (SAS) - https://accessibility.students.yorku.ca/
• York University’s Policies on Sexual Violence - http://secretariat-policies.info.yorku.ca/policies/sexual-violence-policy-on/
• York University’s Policies on Gender/LGBTQ*/Positive Space - http://rights.info.yorku.ca/lgbtq/

LAND ACKNOWLEDGEMENT
• We acknowledge our presence on the traditional territory of many Indigenous Nations. The area known as Tkaronto has been care taken by the Anishinabek Nation, the Haudenosaunee Confederacy, the Huron-Wendat, and the Métis. It is now home to many Indigenous Peoples. We acknowledge the current treaty holders, the Mississaugas of the New Credit First Nation. This territory is subject of the Dish With One Spoon Wampum Belt Covenant, an agreement to peaceably share and care for the Great Lakes region.
• The Indigenous Framework for York University: A Guide to Action can be found here: http://indigenous.info.yorku.ca/
• Meaning of a land acknowledgement: http://healthydebate.ca/opinions/indigenous-land-acknowledgements

Many courses utilize Moodle, York University’s course website system. If your course is using Moodle, click here to access it.
Moodle @ York University